Koolbreeze

15,000 BTU Portable Air Conditioner, Dehumidifier, Heater and Fan
utilizing Heat Pump Technology

Model No. Kompact 15

Please read owner's manual carefully before operating unit.

TABLE OF CONTENTS

INTRODUCTION **3**

IMPORTANT SAFEGUARDS 4

PRODUCT DIAGRAM **5**

INSTALLATION **6**

CONTROL PANEL AND MULTI-COLOR DISPLAY **8**

CONTROL PANEL FUNCTIONS **9**

OPERATION USING THE CONTROL PANEL **9**

COOLING 9

DEHUMIDIFYING 10

FANNING 10

HEATING 10

AUTO MODE 10

SLEEP MODE 11

REMOTE CONTROL & OPERATION **11**

WATER DRAINAGE **12**

MAINTENANCE **13**

END OF SEASON STORAGE 13

TROUBLESHOOTING **14**

ERROR MESSAGES 14

TECHNICAL SPECIFICATIONS **15**

DISCLAIMER **15**

INTRODUCTION

Thank you for purchasing the Koolbreeze Kompact 15,000 BTU Portable Air Conditioner and Heater. This unit is designed to improve indoor living and working comfort by providing cooling, dehumidifying, heating, and ventilation with minimal installation.

This multi-functional unit operates as an air conditioner, dehumidifier, heater, and fan. Unlike traditional portables, there is no bucket to empty. The condensate water is evaporated and removed through the exhaust duct along with the warm exhaust air. When operating as an air conditioner, this unit is designed for spot cooling or cooling a room no larger than 95 cubic meters .When using this appliance, always exercise basic safety precautions.

Other air conditioning methods are recommended when the indoor temperature is either below 17°c or above 30°c.

IMPORTANT SAFEGUARDS

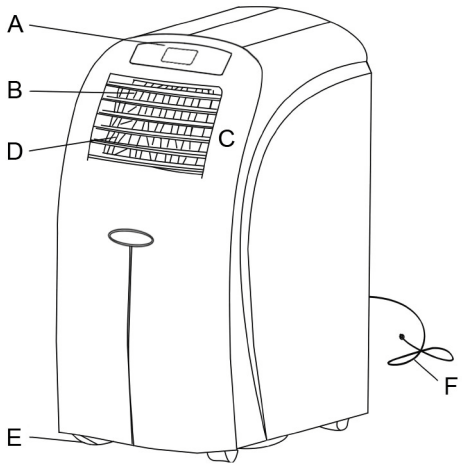
Before installing and using your portable air conditioner and heater, it is important that you read this owner's manual carefully. Store this manual in a safe place for future reference.

This instruction manual is used for guidance and does not form part of a contract. It reserves the right to make technical changes without prior notice.

1. Always place the unit on a level surface.
2. The appliance shall be installed in accordance with national wiring regulation.
3. The unit must be connected to a correctly grounded power supply. For your safety, this unit is grounded through the power cord plug when connected to a grounded wall outlet. Do not use an adapter plug or extension cord.
4. Do not install the unit in an area where gas leakage may occur and/or in an explosive atmosphere.
5. Do not apply an insecticide or any type of flammable spray on the unit.
6. Confirm drainage piping is connected properly.
7. Do not start or stop the unit by inserting or pulling out the power plug.
8. Do not operate with wet hands.
9. Close supervision is necessary when the unit is used near children. The unit in not intended for use by children.
10. Do not insert anything into the air outlet. Do not obstruct air inlet or outlet grills.
11. Do not expose skin or eyes directly to cool air for a long period of time.
12. If an abnormal odour or smoke comes out of the unit, disconnect the unit immediately and contact a qualified service technician. (see page 13)
13. When opening the filter cover, do not touch the metal parts in the unit's interior.
14. Do not immerse the unit in water or any type of liquid. Do not use the unit in the immediate surroundings of a bath, shower, or swimming pool, or in any other steamy, wet areas.
15. When cleaning the unit, always turn the unit off and unplug the power cord.
16. Always inspect the power cord for signs of damage before use. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
17. Do not place a plant or allow a pet in the direct path of the airflow to avoid injury.
18. Do not put a stove, etc, where it would be exposed to the direct airflow. It may affect combustion.
19. Do not sit on the unit or place anything on it.
20. Before storing, the water must be drained from the unit and the filters cleaned.

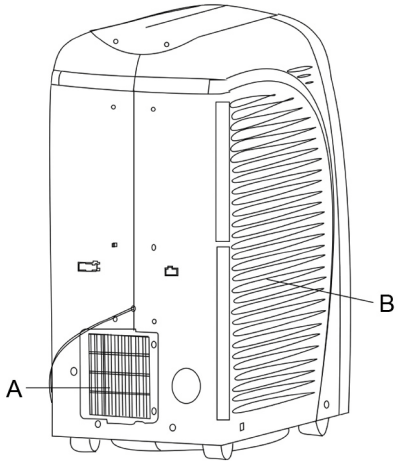
FRONT

A. Control panel
B. Vertical air louvers
C. Air outlet
D. Horizontal air louvers
E. Casters
F. Cable (power cord and plug)



BACK

A. Hot air outlet grill
B. Lower air inlet grill



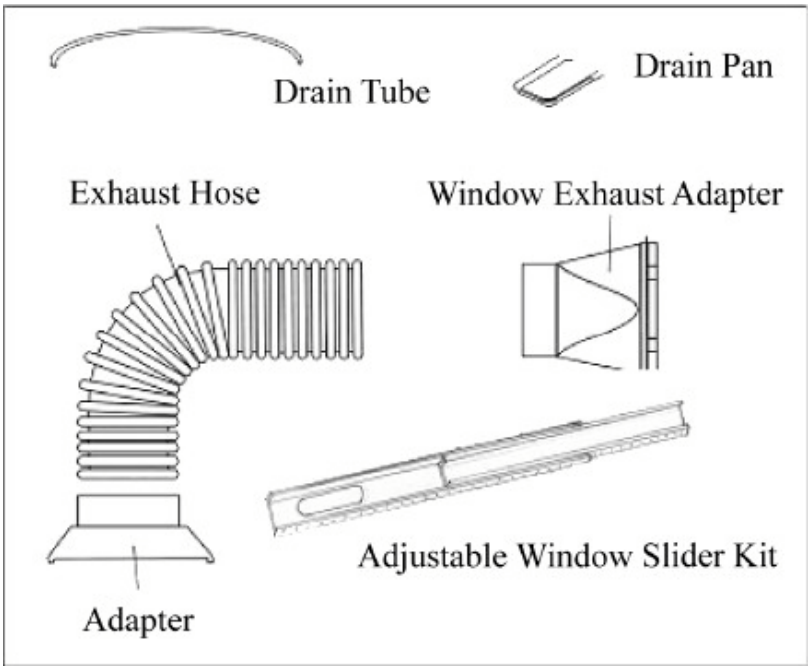
ACCESSORIES

Flexible exhaust hose with 2 adapters
• 3-piece set
• stretches from 14 1/4" to 60 5/8"
(36cm to 150cm)

Window exhaust adapter

Adjustable window slider kit
• 2-piece set
• adjusts from 28.5" to 55"
(72.4cm to 139.7cm)

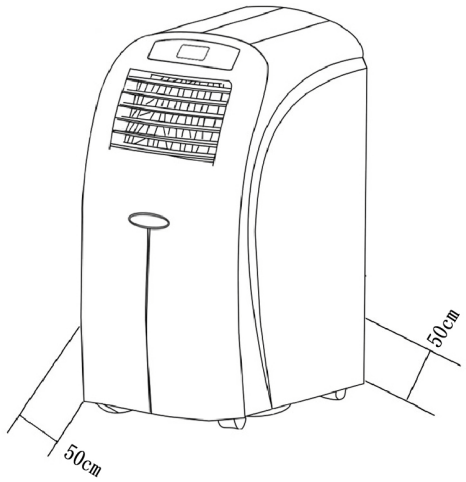
Drain tube & Pan



INSTALLATION

SELECTING THE LOCATION

Place the unit in a flat location where the air outlets are not obstructed. Place the unit at least 50cm away from a wall or other obstacle.

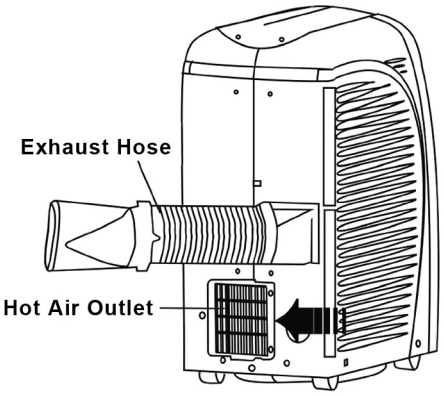


MOUNTING THE EXHAUST HOSE

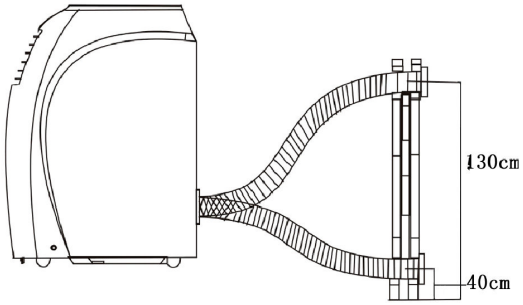
Slide the square end of the exhaust duct over the hot air outlet on the back of the unit.

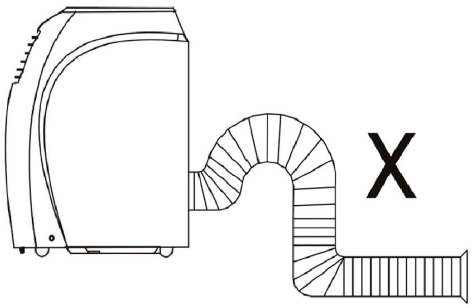
The exhaust hose should be kept as short and straight as possible. Prevent any sharp bends in the exhaust hose, as this will trap hot exhaust air.

Use only the exhaust hose provided. Never extend the exhaust hose as this can cause damage to the unit



The hot exhaust air can be vented through the wall or out a window. If mounting in the wall, the height of the hole should be 40cm to 130cm.





WINDOW KIT INSTALLATION

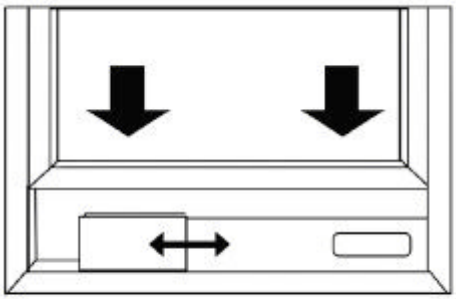
The window kit is designed to fit into most standard vertical and horizontal windows. However, it may be necessary to modify some aspects of the installation process for certain window types.

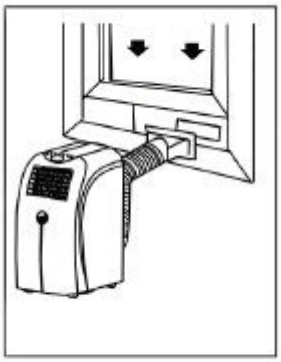
1. Open the window or sliding door and adjust the length of the window kit to fit the opening. Mark and cut down a single panel of the window kit if necessary.

2. Place the window kit between the window and the window frame as shown in the images to the right. Close the window onto the window kit to form a tight seal.

3. Attach the exhaust duct adapter to the window kit. Tabs located on the adapter will lock into place securing the adapter to the window kit.

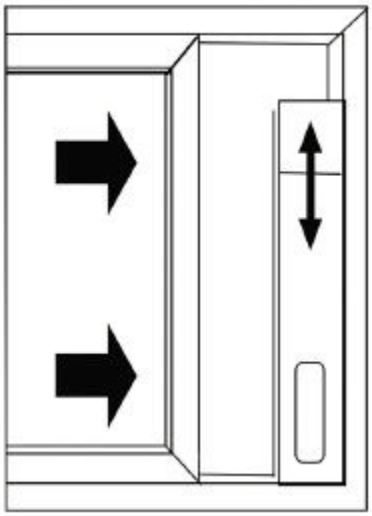
HORIZONTAL WINDOW

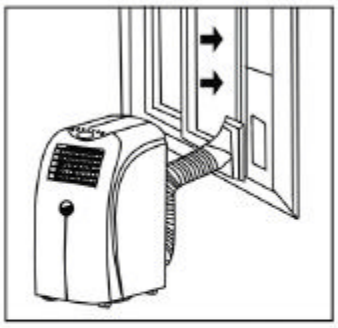




Window Slider Kit
Minimum: 28.5" (72.4cm)
Maximum: 55" (139.7cm)

VERTICAL WINDOW





Window Slider Kit
Minimum: 28.5" (72.4cm)
Maximum: 55" (139.7cm)

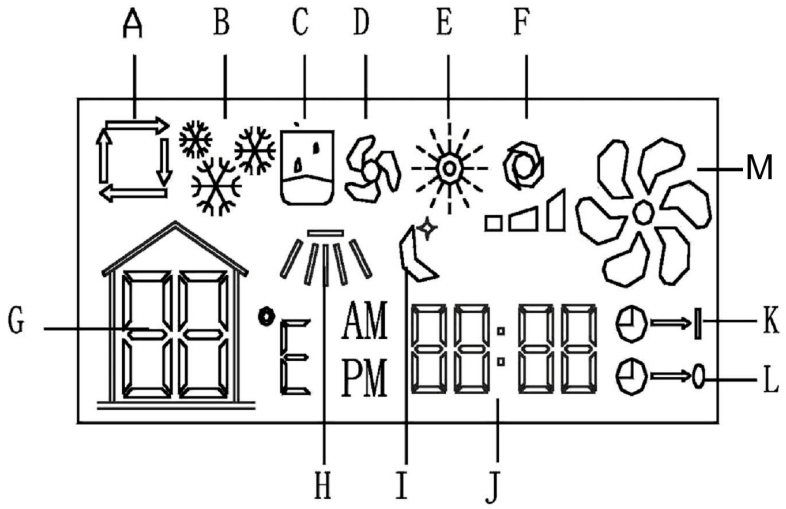
CONTROL PANEL AND MULTI-COLOR DISPLAY

CONTROL PANEL

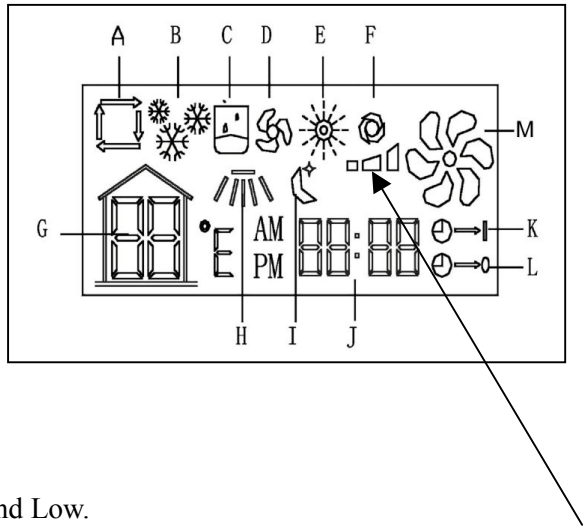
FAN SPEED Button	During the modes of cooling, heating and fanning, press this button to choose high, medium or low fan speed. In dehumidifying mode, this button is inoperable.
SWING Button	Press this button to oscillate the vertical louvers or to stop oscillation.
∨ Button	This button decreases the room temperature/timer hours.
∧ Button	This button increases the room temperature/timer hours.
POWER Button	Press this button to turn the unit on or off.
MODE Button	Press this button to select among the modes of auto, cooling, dehumidifying, fanning, or heating.
TIMER Button	Press this button to turn the timer on/off.

MULTI-COLOR DISPLAY

A. Auto Mode
B. Cool Mode
C. Dehumidify Mode
D. Fan Mode
E. Heat Mode
F. Fan Speed (Low, High, Medium)
G. Temperature
H. Swing Mode
I. Sleep Mode
J. Clock and Timer
K. Timer On
L. Timer Off
M. Compressor is on



CONTROL PANEL FUNCTIONS



ON/OFF BUTTON

Starts or stops the unit.

MODE BUTTON

Press to select the operating mode:
Fan Mode
Air Conditioning Mode
Heating Mode
Dehumidifying Mode
Auto Mode

FAN BUTTON

Press to select the fan speed: High, Medium, and Low.
The fan speed can be visually distinguished by the number of the digital air segments (follow arrow above) that flow out from the windmill fan image on the multi-color display.

TEMPERATURE

When in cooling or heating mode, the desired temperature can be selected by pressing the ∧ and ∨ buttons. The multi-color display flashes the temperature while it is being set. The multi-color display shows the set temperature when it is not in temperature setting mode.

The multi-color display can show either Celsius or Fahrenheit. Press the ∧ and ∨ buttons simultaneously to change the display from Celsius to Fahrenheit or vice versa.

TIMER

To set the auto start time, press the Timer on button until the multi-color display shows a flashing "⏲→|". Press the ∧ and ∨ buttons to change the clock to the desired time for the unit to automatically start. To set the auto stop time, press the Timer Off button and the multi-color display will show a flashing " ⏲→○ ". Press the ∧ and ∨ buttons to change the clock to the desired time for the unit to automatically stop. The light will flash for 3 seconds to activate the timer you programmed.

TIME DISPLAY

In the diagram above, the letter "J" points to the adjustable time display. To adjust the time, Press FAN, SPEED and SWING together (at the same time), then press UP to adjust the hours, and press DOWN to adjust the minutes.

SWING

To start horizontal oscillation, press the Swing button once. '⫽⫽⫽' icon will appear on the multi-color display. To stop oscillation, press the Swing button again. Vertical air flow direction can be adjusted manually.

OPERATION USING THE CONTROL PANEL

COOLING

1. Properly install the exhaust hoses.
2. Plug the power cord into a grounded outlet.
3. Turn on the unit by pressing the On/Off button on the control panel.
4. Press the Mode button until " ❄ " icon appears on the multi-color display.
5. Press the ∧ or ∨ buttons until the desired temperature appears on the multi-color display. The temperature ranges from 16°C - 31°C.
6. Select the fan speed by pressing the Fan button.

NOTE: During hot days, the unit will cool off the room most efficiently by setting the temperature at the lowest and the fan speed at the highest. Reducing the length of the exhaust hoses, insulating the exhaust hoses, and keeping direct sunlight to a minimum will also improve the cooling efficiency.

DEHUMIDIFYING

1. Properly install the exhaust hoses.
2. Plug the power cord into a grounded outlet.
3. Turn on the unit by pressing the On/Off button on the control panel.
4. Press the Mode button until the " " icon appears on the multi-color display.

NOTE: The unit operates at low fan speed during dehumidifying. The unit cools the room slightly during dehumidification.

Keep the windows and the doors closed to aid in the effectiveness of the unit in removing the moisture from the room.

NOTE: The unit will not dehumidify when the room temperature is lower than 61°F.

FANNING

1. Plug the power cord into a grounded outlet.
2. Turn on the unit by pressing the On/Off button on the control panel.
3. Press the Mode button until " " icon appears on the multi-color display.
4. Select the fan speed by pressing the Fan button.

NOTE: When the unit is running on fan mode, the exhaust hoses are inoperative and are not required.

HEATING

1. Plug the power cord into a grounded outlet.
2. Turn on the unit by pressing the On/Off button on the control panel.
3. Press the Mode button until " " icon appears on the multi-color display.
4. Press the ∧ or ∨ button until the desired room temperature appears on the multi-color display. The temperature ranges from 16°C - 31°C.
5. Select the fan speed by pressing the Fan button. It is recommended to use the low fan speed.

NOTE: When the unit is running on heating mode, the exhaust hoses are inoperative and are not required.

AUTO MODE

1. Properly install the exhaust hoses.
2. Plug the power cord into a grounded outlet.
3. Turn on the unit by pressing the On/Off button on the control panel.
4. Press the Mode button until the " " icon appears on the multi-color display.
5. Press the Fan button to select the fan speed.

During the Auto mode, the unit operates in heating mode when the room temperature is below 20°C. The unit operates in dehumidifying mode when the room temperature is between 20°C - 26°C. The unit operates in cooling mode when the room temperature is above 26°C. You may use the timer with the Auto mode.

SLEEP MODE

(This mode can only be programmed from the remote control.)

1. The air conditioner will need to be in operation.
2. Press the Sleep button. The " " icon appears on the multi-color display.
3. The fan motor runs at low speed.
4. When in cooling mode, the temperature will increase 1°C per hour during the first two hours. Then the temperature will stay 2°C higher than the originally set temperature for 6 hours. 6 hours later, the unit will shut down.
5. When in heating mode, the temperature will decrease 1°C per hour during the first two hours. Then the temperature will stay 2°C lower than the originally set temperature for 6 hours. 6 hours later, the unit will shut down.
6. When in dehumidify mode, the temperature will not change.

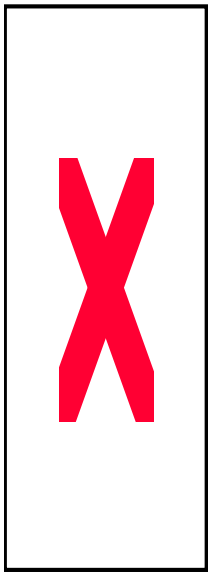
NOTE: If the unit is turned off during cooling, dehumidifying, or heating and then restarted, there will be a 3 minute delay before the compressor will turn back on to prolong the life of the compressor. Once the power recovers and the compressor restarts, the unit will return to the original working mode.

REMOTE CONTROL & OPERATION

The remote control provided with the unit can be used to operate the portable air conditioner. The remote control uses 2 AAA batteries (provided). Install the batteries before using the remote control.

The remote control can be used to do all the operations that can be programmed from the control panel.

When the unit is in Air Conditioner mode you can select your desired temperature. Press the ▲ or ▼ to select your desired temperature setting. The temperature on the multi-color display on the control panel will increase or decrease accordingly. Pressing the **°C/°F** button will change the temperature select between °F and °C.



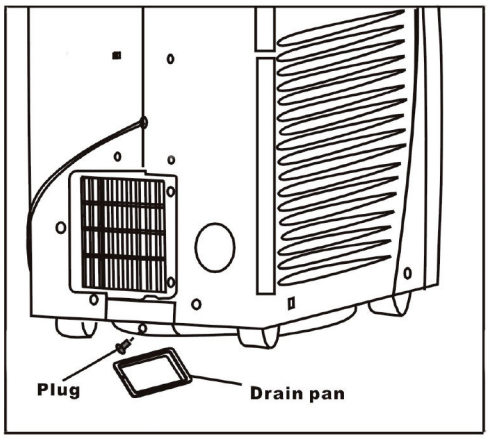
WATER DRAINAGE

When the unit is in cooling mode, unwanted water is extracted from the air. Most of this water is used to cool the unit and make it run more efficiently. When the unit is used in extremely humid environments, water will collect in a water container at the bottom of the unit. When the water container is full, the compressor will stop but the fan will continue to run.

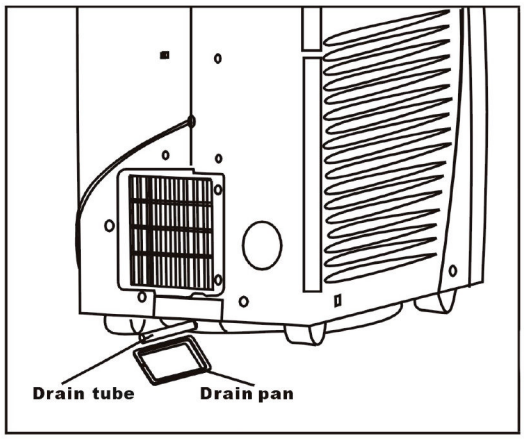
When the water container is full, the unit will display 'FULL' on the control panel until the tank is emptied. To resume operation, empty the water container according to the following steps:

1. Turn the unit off. Do not move the unit when the water container is full.
2. Place the drain pan accessory under the drainage port at the back of the unit.
3. Remove the rubber plug from the drain hole. The condensate water will drain out automatically. When the drain pan is full, replace the rubber plug into the drainage hole to stop the water flow. Empty the drain pan. Repeat until all the water is emptied.
4. Once the water container has been emptied, replace the rubber plug into the drain hole firmly. Do not allow the water to drip continuously into the drain pan, as it might easily overflow.

DRAINING INTO THE DRAIN PAN



CONTINUOUS DRAINAGE



NOTE: In heating mode, the drain pipe accessory must be used to empty the water container.

1. Remove the rubber plug and keep for future use.
2. Connect the drain tube accessory to the drain hole. Place drain pan at end of drain tube; water will drain out automatically during operation.

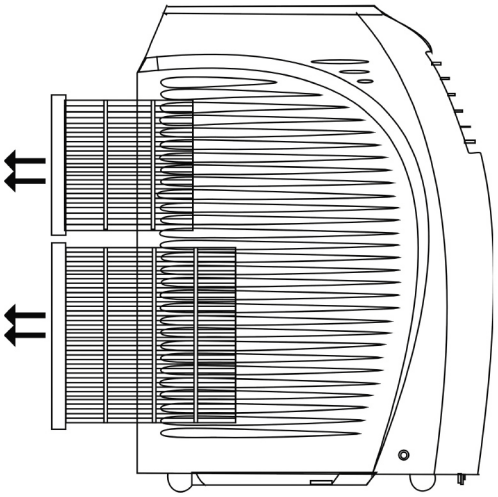
MAINTENANCE

Always turn off and unplug the unit before cleaning to avoid electrical shock.

CLEANING THE HOUSING

Wipe the surface of the unit with a soft, damp cloth. Do not use abrasive chemicals or detergents to clean the surface of the unit, as the unit may become scratched or damaged.

Avoid direct exposure to sunlight as this may change the surface color.



CLEANING THE FILTER

Slide the filters out from the side of the unit.

Immerse the filter gently in warm water with a mild detergent. Rinse thoroughly and dry before replacing.

An unclean air filter reduces air volume. The filter should be cleaned every two weeks.

END OF SEASON STORAGE

Turn off and unplug the unit.

Drain all condensate water from the water container.

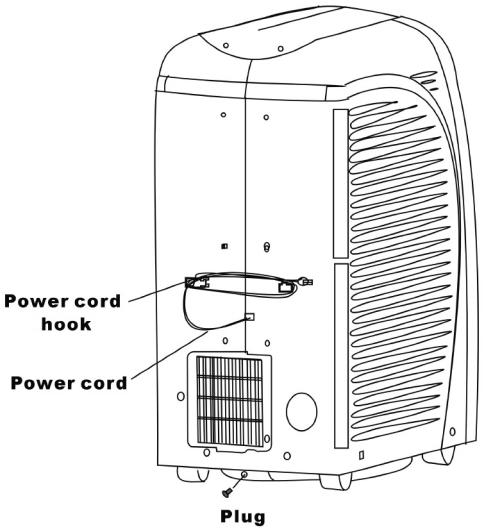
Turn the unit to fan mode for a couple of hours to completely dry out the inside.

Clean the filter.

Wrap the cord around the cord hooks.

It is recommended that the unit be packed in its original carton for storage.

Store in a dry location.



TROUBLESHOOTING

Before seeking repair or service, please check the following:

PROBLEM	POSSIBLE CAUSE	REMEDY
Unit does not operate or only runs in fan mode.	Is the unit plugged in?	Securely plug the power cord into the wall outlet.
	Is the main power supply on?	Re-establish the main power supply.
	Is the water container full indicator light on?	Empty the water container.
	Is the timer set?	Change timer settings.
Cooling efficiency is not satisfactory.	Is the air inlet or outlet blocked?	Clear the blocking.
	Is there any other heat source in the room?	Move the heat source.
	Are the air filters dirty?	Clean the air filters.
	Is the temperature setting suitable?	Change the temperature setting.
	Is the fan speed set at low?	Increase the fan speed.
Unit is noisy or vibrates.	Is the machine positioned unevenly on a level surface?	Place the unit on a level surface.
The unit starts and stops frequently.	Is the voltage from the power source correct?	Use a proper power source.
	Is the exhaust hose positioned incorrectly?	Position the exhaust hose correctly and keep the exhaust hose straight as possible.

ERROR MESSAGES

Diagnostic system indicators appear if any of the following interrupts operation of the unit. The unit may require simple maintenance or repair by a qualified service technician.

CODE	DIAGNOSIS	ACTION
FAULT E1	Faulty room temperature sensor	Contact customer service for repair or service.
FAULT E2	Faulty inside sensor.	Contact customer service for repair or service.
FAULT E3	Internal frost in the unit.	Wait for unit to defrost
FAULT E4	Unit malfunctions.	Contact customer service for repair or service.

TECHNICAL SPECIFICATIONS

MODEL		P15HCA(Kompact 15)
Cooling Capacity		15,000 BTU/Hr
Heating Capacity		15,200 BTU/Hr
Dehumidifying Capacity		36 L/day
Power Consumption	Cooling	1250 W
	Heating	1010 W
Air Flow Volume		328CFM
Power Source		220~240V, 50Hz
Rated Current	Cooling	5.7 A
	Heating	4.6 A
Sound Pressure Level		<49db(A)
Net Weight		35.5kg
Dimensions		366 x 569 x 775mm (WxDxH)
Refrigerant		R410A/600g

Disclaimer

All information and the technical specifications presented in this user manual are the presentation of the manufacturer. Cottage Stores LLP has not conducted independent test to the information and the specifications presented here within.

Note: Koolbreeze is a registered trade name of Cottage Stores LLP